

Appln. of: Guemmer
Serial No.: 10/622,135
Filed: July 18, 2003

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fluid-flow machine, including:
 - at least one rotor row and a plurality of stator rows each having external surfaces positioned in a fluid flow, at least one blade thereof which is positioned on throat-confining surfaces, the at least one blade including both a device for fluid removal from the fluid flow in an area of the external surface of the blade and a device for fluid supply into the fluid flow in the area of the external surface of the blade,
 - at least one line associated with the device for fluid removal for returning the removed fluid to an upstream position in the fluid flow, and
 - at least one further line associated with the device for fluid supply for supplying the fluid from a further downstream position in the fluid flow.
2. (Previously Presented) A fluid-flow machine in accordance with Claim 1, wherein the device for fluid removal is provided on at least one blade of at least one of a stator and a rotor first row of blades and connects via at least one line to a device for fluid supply on at least one blade of at least one of a stator and rotor further row of blades.
3. (Previously Presented) A fluid-flow machine in accordance with Claim 1, wherein the device for fluid supply is provided on at least one blade of at least one of a stator and a rotor first row of blades and is fed via at least one line from a device for fluid removal on at least one blade of at least one of a stator and rotor further row of blades.

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4. (Original) A fluid-flow machine in accordance with Claim 1, and comprising a restrictor positioned in at least one of the lines.

5. (Original) A fluid-flow machine in accordance with Claim 1, wherein at least one of the lines provides for free flow of the fluid.

6. (Previously Presented) A fluid-flow machine in accordance with Claim 1, wherein the at least one blade is provided with a device for the variable control of a fluid flow area for at least one of the fluid removal and supply, respectively.

7. (Original) A fluid-flow machine in accordance with Claim 1, wherein the line for returning the removed fluid is provided with a discharge chamber positioned at an inlet to the line.

8. (Original) A fluid-flow machine in accordance with Claim 1, wherein the line for supplying the fluid is provided with a supply chamber at an outlet to the line.

9. (Previously Presented) A fluid-flow machine in accordance with Claim 1, wherein, the blade is a variable stator blade, with a fluid supply channel and a fluid discharge channel being arranged within a spindle of the blade, the two channels leading into and out of the fluid flow, respectively, to at least one of a machine casing and a rotor hub, to provide for bi-functionality for the blade.

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10. (Original) A fluid-flow machine in accordance with Claim 2, and comprising a restrictor positioned in at least one of the lines.

11. (Original) A fluid-flow machine in accordance with Claim 2, wherein at least one of the lines provides for free flow of the fluid.

12. (Original) A fluid-flow machine in accordance with Claim 2, wherein the blade is provided with a device for the variable control of the fluid flow area for at least one of the fluid removal and supply, respectively.

13. (Original) A fluid-flow machine in accordance with Claim 2, wherein the line for returning the removed fluid is provided with a discharge chamber positioned at an inlet to the line.

14. (Original) A fluid-flow machine in accordance with Claim 13, wherein the line for supplying the fluid is provided with a supply chamber at an outlet to the line.

15. (Original) A fluid-flow machine in accordance with Claim 3, and comprising a restrictor positioned in at least one of the lines.

16. (Original) A fluid-flow machine in accordance with Claim 3, wherein at least one of the lines provides for free flow of the fluid.

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17. (Original) A fluid-flow machine in accordance with Claim 3, wherein the blade is provided with a device for the variable control of the fluid flow area for at least one of the fluid removal and supply, respectively.

18. (Original) A fluid-flow machine in accordance with Claim 3, wherein the line for returning the removed fluid is provided with a discharge chamber positioned at an inlet to the line.

19. (Original) A fluid-flow machine in accordance with Claim 18, wherein the line for supplying the fluid is provided with a supply chamber at an outlet to the line.

20. (Currently Amended) A fluid-flow machine in accordance with Claim 2, wherein the device for fluid supply is ~~also provided on the same blade with the device for fluid removal~~ and is fed via at least one line from a device for fluid removal on at least one blade of at least one of a stator and rotor second further row of blades.

21. (Original) A fluid-flow machine in accordance with Claim 20, and comprising a restrictor positioned in at least one of the lines.

22. (Original) A fluid-flow machine in accordance with Claim 20, wherein at least one of the lines provides for free flow of the fluid.

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23. (Original) A fluid-flow machine in accordance with Claim 20, wherein the blade is provided with a device for the variable control of the fluid flow area for at least one of the fluid removal and supply, respectively.

24. (Original) A fluid-flow machine in accordance with Claim 20, wherein the line for returning the removed fluid is provided with a discharge chamber positioned at an inlet to the line.

25. (Original) A fluid-flow machine in accordance with Claim 24, wherein the line for supplying the fluid is provided with a supply chamber at an outlet to the line.